

01464020 ASSUNPINK CREEK AT PEACE STREET, AT TRENTON, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°13'02", long 74°46'07" referenced to North American Datum of 1983, Trenton City, Mercer County, NJ, Hydrologic Unit 02040105, at bridge on Peace Street in Trenton, 900 ft upstream of mouth, 0.3 mi northwest of Trent House, and 0.7 mi southeast of Trenton Filtration Plant.

DRAINAGE AREA.--91.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1963, 1967, 1998 to current year.

GAGE.--Staff gage.

REMARKS.--Flow includes some sewage effluent.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

| Date | Discharge, in ft³/s |
|--------------|---|
| Nov 19, 2007 | 49.7 |
| Feb 4, 2008 | 284 |
| Jun 5, 2008 | 806 |
| Aug 13, 2008 | 24.4 |

01464020 ASSUNPINK CREEK AT PEACE STREET, AT TRENTON, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963, 1976-78, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Watershed Integrator, NJ Department of Environmental Protection Watershed Management Area 11.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

| Date | Time | Instantaneous discharge, ft ³ /s (00061) | Turbidity white light, det ang 90+/-30 correctd NTRU (63676) | UV absorbance, 254 nm, wat flt units /cm (50624) | UV absorbance, 280 nm, wat flt units /cm (61726) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specific conductance, wat unf 25 degC (00095) | Temperature, air, deg C (00020) | Temperature, water, deg C (00010) | Hardness, water, mg/L as CaCO ₃ (00900) |
|-----------|------|---|--|--|--|------------------------------------|--------------------------------|---|---|---|---------------------------------|-----------------------------------|--|
| Nov 19... | 1210 | 50 | 3.1 | .121 | .091 | 770 | 10.3 | 91 | 7.1 | 427 | 5.5 | 9.6 | 110 |
| Feb 04... | 0950 | 284 | 16 | .152 | .117 | 762 | 13.2 | 102 | 6.9 | 223 | 4.5 | 4.2 | 54 |
| Jun 05... | 1125 | 806 | 35 | .295 | .232 | 763 | 7.3 | 80 | 7.0 | 152 | 23.0 | 19.9 | 42 |
| Aug 13... | 1150 | 24 | 3.3 | .100 | .073 | 751 | 8.4 | 96 | 7.5 | 501 | 31.5 | 21.8 | 120 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

| Date | Calcium water, fltrd, mg/L (00915) | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) | Sodium, water, fltrd, mg/L (00930) | ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410) | Chloride, water, fltrd, mg/L (00940) | Fluoride, water, fltrd, mg/L (00950) | Silica, water, fltrd, mg/L as SiO ₂ (00955) | Sulfate water, fltrd, mg/L (00945) | Residue water, fltrd, sum of constituents mg/L (70301) | Residue on evap. at 180degC wat flt mg/L (70300) | Residue total non-filterable, mg/L (00530) | Ammonia + org-N, water, fltrd, mg/L as N (00623) |
|-----------|------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|---|--------------------------------------|--------------------------------------|--|------------------------------------|--|--|--|--|
| Nov 19... | 29.7 | 8.19 | 5.22 | 36.9 | 55 | 64.8 | .28 | 9.1 | 30.0 | 248 | 268 | 2 | .61 |
| Feb 04... | 13.5 | 5.03 | 2.73 | 18.3 | 24 | 32.7 | E.10 | 6.5 | 20.0 | E121 | 131 | 12 | .39 |
| Jun 05... | 10.8 | 3.53 | 2.56 | 11.2 | 28 | 18.5 | E.08 | 4.1 | 11.2 | E83 | 122 | 36 | .59 |
| Aug 13... | 34.9 | 9.04 | 5.98 | 40.7 | 71 | 68.0 | .20 | 9.1 | 30.8 | 275 | 302 | 3 | .57 |

01464020 ASSUNPINK CREEK AT PEACE STREET, AT TRENTON, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

| Date | Ammonia water, fltrd, mg/L as N (00608) | Nitrate + nitrite water fltrd, mg/L as N (00631) | Partic- ulate nitro- gen, susp, water, mg/L (49570) | Total nitro- gen, water, fltrd, mg/L (00602) | Total nitro- gen, water, unfltrd mg/L (00600) | Ortho- phos- phate, water, fltrd, mg/L as P (00671) | Phos- phorus, water, fltrd, mg/L as P (00666) | Phos- phorus, water, unfltrd mg/L as P (00665) | Total carbon, suspnd sedimnt total, mg/L (00694) | Inor- ganic carbon, suspnd sedimnt total, mg/L (00688) | Organic carbon, suspnd sedimnt total, mg/L (00689) | Organic carbon, water, fltrd, mg/L (00681) | Boron, water, fltrd, µg/L (01020) |
|----------------------|--|---|--|--|---|--|---|--|--|---|--|---|---|
| Nov 19... | .069 | 6.32 | .10 | 6.9 | 7.0 | .888 | .91 | .98 | .7 | <.04 | .7 | 3.9 | 90 |
| Feb 04... | .061 | 1.53 | .15 | 1.9 | 2.1 | .088 | .10 | .17 | 1.2 | <.04 | 1.2 | 4.7 | 32 |
| Jun 05... | .098 | .81 | .29 | 1.4 | 1.7 | .084 | .10 | .25 | 2.8 | <.04 | 2.8 | 7.5 | 28 |
| Aug 13... | .017 | 6.97 | .09 | 7.5 | 7.6 | .941 | .97 | .99 | .6 | <.04 | .6 | 3.7 | 98 |